# CROSS SECTIONS
for
MONTHLY ESTIMATES.
WORK OF
DREDGER "ANTIOCH."

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1446

MEMBERS of PARTY.

P.E. Dufour		Fair Oaks	Cal.
Fred Burns	Rodman	Boston	Mass.
H. Clinesmith	Chainman	Redding	Cal.
Frank King	Axeman	Franklin	Cal.

1447

FINAL BORROWPIT.

July 1908.

Sta Re crosssection of Borrow Pit — Left — C.

November 9th 1908

T1160. Final Borrowpit
$\frac{1.2}{185.2}^{W.S.}$ $\frac{-4.0}{180.0}$ $\frac{-10.8}{170.0}$ $\frac{-10.8}{160.0}$ $\frac{-10.1}{150.0}$ $\frac{-11.1}{140.0}$ $\frac{-10.4}{130.0}$ $\frac{-11.5}{120}$ $\frac{-10.5}{110.0}$ $\frac{-8.6}{100.0}$ $\frac{-6.7}{90.0}$ $\frac{-2.5}{80.0}$ $\frac{1.2}{68.7}^{W.S.}$ $\frac{4.9}{59.2}$
$\frac{3.7}{190}$

T1161 Final Borrowpit
$\frac{-3.7}{190.0}$ $\frac{-8.5}{180.0}$ $\frac{12.0}{170.0}$ $\frac{13.0}{160.0}$ $\frac{13.8}{150.0}$ $\frac{13.0}{140.0}$ $\frac{13.0}{130.0}$ $\frac{13.5}{120.0}$ $\frac{11.2}{110.0}$ $\frac{-10.9}{100.0}$ $\frac{-6.5}{90.0}$ $\frac{-3.7}{80.0}$ $\frac{-0.4}{70.0}$ $\frac{1.2}{65.1}^{W.S.}$ $\frac{7.4}{59.5}$
$\frac{4.6}{214.0}$ $\frac{1.2}{212.9}^{W.S.}$ $\frac{-1.2}{210.0}$ $\frac{-2.4}{200.0}$

1162 Final Borrowpit
$\frac{-3.8}{200.0}$ $\frac{-3.5}{190.0}$ $\frac{-6.0}{180.0}$ $\frac{-7.0}{160.0}$ $\frac{-7.0}{150.0}$ $\frac{-8.9}{140.0}$ $\frac{-8.0}{130.0}$ $\frac{-7.4}{120.0}$ $\frac{-7.7}{110.0}$ $\frac{-8.0}{100.0}$ $\frac{-7.3}{90.0}$ $\frac{-3.5}{80.0}$ $\frac{2.0}{77.0}^{W.S.}$ $\frac{5.6}{66.0}$
$\frac{4.8}{215.0}$ $\frac{2.0}{213.0}^{W.S.}$ $\frac{-1.1}{210}$

1163 Final Borrowpit
$\frac{-8.3}{180.0}$ $\frac{-8.8}{170.0}$ $\frac{-8.5}{160.0}$ $\frac{-7.5}{150.0}$ $\frac{-8.2}{140.0}$ $\frac{-8.5}{130.0}$ $\frac{-8.1}{120.0}$ $\frac{-7.4}{110.0}$ $\frac{-8.0}{100.0}$ $\frac{-7.0}{90.0}$ $\frac{-3.2}{80.0}$ $\frac{2.0}{73.0}^{W.S.}$ $\frac{5.1}{68.0}$
$\frac{3.6}{216.0}$ $\frac{2.0}{215.0}^{W.S.}$ $\frac{-2.0}{210.0}$ $\frac{-5.8}{200.0}$ $\frac{8.0}{190.0}$

1164 Final Borrowpit.
$\frac{-9.3}{190.0}$ $\frac{-9.5}{180.0}$ $\frac{-9.0}{170.0}$ $\frac{-8.8}{160.0}$ $\frac{-8.8}{150.0}$ $\frac{-10.3}{140.0}$ $\frac{-9.5}{130.0}$ $\frac{-8.9}{120.0}$ $\frac{8.4}{110.0}$ $\frac{-9.8}{100.0}$ $\frac{-7.1}{90.0}$ $\frac{-3.7}{80.0}$ $\frac{2.2}{78.0}^{W.S.}$ $\frac{4.0}{76.0}$
$\frac{3.1}{217.0}$ $\frac{2.2}{216.0}^{W.S.}$ $\frac{-6.6}{210.0}$ $\frac{-9.9}{200.0}$

Sta. July 1908 Left. 0.

T1165 $\frac{-4.3}{210.0}$ $\frac{-10.0}{200.0}$ $\frac{-11.1}{190.0}$ $\frac{10.1}{180.0}$ $\frac{10.1}{170.0}$ $\frac{10.0}{160.0}$ $\frac{11.7}{150.0}$ $\frac{-11.0}{140.0}$ $\frac{10.0}{130.0}$ $\frac{-10.2}{120.0}$ $\frac{-8.8}{110.0}$ $\frac{-8.7}{100.0}$ $\frac{-6.1}{90.}$ $\frac{2.3}{80.0}$ $\overset{W.S.}{\frac{5.0}{67.0}}$

Final

Borrowpit.

$\frac{3.1}{216.0}$ $\overset{W.S}{\frac{2.3}{214.5}}$

Final Borrowpit Cross Sections continued in Final Cross Section Book № 7, page 55.

1166 $\frac{-3.8}{210.0}$ $\frac{-9.3}{200.0}$ $\frac{-10.6}{190.0}$ $\frac{-10.3}{180.0}$ $\frac{-8.4}{170.0}$ $\frac{11.7}{160.0}$ $\frac{-12.1}{150.0}$ $\frac{-11.8}{140.0}$ $\frac{-12.5}{130.0}$ $\frac{-10.3}{120.0}$ $\frac{-10.2}{110.0}$ $\frac{-8.7}{100.0}$ $\frac{-6.1}{90.0}$ $\frac{+0.3}{80.0}$ $\frac{2.4}{74.0}$ $\overset{W.S.}{\frac{4.0}{67.0}}$

$\frac{3.0}{220.0}$ $\overset{W.S}{\frac{2.4}{219.0}}$

+50 $\frac{-7.3}{200.0}$ $\frac{-8.8}{190.0}$ $\frac{-8.8}{180.0}$ $\frac{-6.8}{170.0}$ $\frac{-7.7}{160.0}$ $\frac{-9.3}{150.0}$ $\frac{-7.7}{140.0}$ $\frac{-8.2}{130.0}$ $\frac{-8.1}{120.0}$ $\frac{-7.6}{110.0}$ $\frac{-7.4}{100.0}$ $\frac{-5.3}{90.0}$ $\frac{-3.5}{80.0}$ $\overset{W.S}{\frac{2.5}{63.5}}$

$\frac{3.0}{220.0}$ $\overset{W.S}{\frac{2.5}{211.0}}$ $\frac{-0.6}{210}$

1167 $\frac{-3.7}{250.0}$ $\frac{-5.5}{230.0}$ $\frac{-4.8}{210}$ $\frac{-5.3}{190.0}$ $\frac{-6.9}{170.0}$ $\frac{-7.6}{150.0}$ $\frac{-7.5}{130.0}$ $\frac{-7.0}{110.0}$ $\frac{-6.3}{90.0}$ $\frac{-3.4}{70.0}$ $\overset{W.S}{\frac{2.5}{59.0}}$ $\frac{2.9}{57.0}$

+50 $\frac{-4.0}{230}$ $\frac{-5.8}{210.0}$ $\frac{-6.7}{190.0}$ $\frac{-6.6}{170.0}$ $\frac{-8.6}{150.0}$ $\frac{-8.8}{130.0}$ $\frac{-7.6}{120.0}$ $\frac{-6.7}{110.0}$ $\frac{-7.5}{70.0}$ $\frac{-5.8}{70.0}$ $\overset{W.S}{\frac{2.5}{49.4}}$

1449

~~8th~~ July 1908 Left C.

T1168 $\frac{-4.3}{230.0}$ $\frac{-6.1}{210.0}$ $\frac{-6.3}{190.0}$ $\frac{-5.1}{170.0}$ $\frac{-6.6}{150.0}$ $\frac{-7.2}{130.0}$ $\frac{-5.3}{110.0}$ $\frac{-5.4}{90.0}$ $\frac{-5.8}{70.0}$ $\frac{9^{5}}{43.0}$ W.S.

Final Borrowpit Cross Sections continued on page 1.

FINAL BORROWPIT Left. C. Right.

T1159 $\frac{-9^{4}}{140}$ $\frac{-9^{6}}{130}$ $\frac{-9^{5}}{120}$ $\frac{-10^{8}}{110}$ $\frac{-10^{0}}{100}$ $\frac{-8^{1}}{90}$ $\frac{-1^{5}}{80}$ $\frac{2^{6}}{70}$ W.S $\frac{6^{1}}{68^{3}}$ $\frac{15^{6}}{30}$ $\frac{23^{9}}{13^{3}}$ 31^{0} $\frac{28^{3}}{9^{2}}$ $\frac{16^{7}}{30^{6}}$ $\frac{9^{3}}{32^{8}}$ $\frac{8^{6}}{73^{4}}$

Aug. 1908

Final $\frac{3^{2}}{220}$ $\frac{3^{2}}{174}$ $\frac{2^{6}}{178}$ $\frac{0^{0}}{170}$ $\frac{-5^{4}}{160}$ $\frac{-8^{5}}{150}$

Borrowpit.

T1158 $\frac{-8^{0}}{110}$ $\frac{-7^{0}}{100}$ $\frac{-5^{4}}{90}$ $\frac{-3^{0}}{80}$ $\frac{+1^{0}}{70}$ $\frac{2^{6}}{66^{5}}$ W.S. $\frac{7^{5}}{65^{9}}$ $\frac{13^{5}}{30}$ $\frac{16^{8}}{22^{3}}$ $\frac{24^{9}}{9^{2}}$ 26^{6} $\frac{26^{0}}{9}$ $\frac{21^{5}}{18}$ $\frac{16^{1}}{29^{4}}$ $\frac{10^{0}}{78^{2}}$

Aug. 1908

Final $\frac{3^{3}}{220}$ $\frac{5^{0}}{163^{5}}$ $\frac{2^{6}}{162}$ W.S. $\frac{+2^{1}}{160}$ $\frac{-2^{4}}{150}$ $\frac{-6^{4}}{140}$ $\frac{-6^{6}}{130}$ $\frac{-8^{4}}{120}$

Borrowpit

T1157 $\frac{-9^{6}}{120}$ $\frac{-7^{6}}{110}$ $\frac{-7^{9}}{100}$ $\frac{-7^{0}}{90}$ $\frac{-4^{3}}{85}$ $\frac{1^{4}}{79}$ W.S. $\frac{7^{5}}{75^{6}}$ $\frac{9^{4}}{43}$ $\frac{17^{2}}{26}$ $\frac{21^{4}}{18}$ $\frac{21^{6}}{10}$ 25^{7} $\frac{25^{6}}{14^{2}}$ $\frac{20^{0}}{29}$ $\frac{14^{0}}{45}$ $\frac{9^{7}}{72^{8}}$

Sept. 1908

Final $\frac{3^{5}}{170}$ $\frac{1^{4}}{161}$ W.S. $\frac{+0^{5}}{160}$ $\frac{-4^{8}}{150}$ $\frac{-8^{7}}{140}$ $\frac{-7^{8}}{130}$

Borrowpit

T1156 $\frac{-7^{2}}{130}$ $\frac{-7^{9}}{120}$ $\frac{-6^{6}}{110}$ $\frac{-8^{0}}{100}$ $\frac{-7^{8}}{90}$ $\frac{-5^{0}}{80}$ $\frac{1^{4}}{75}$ W.S. $\frac{2^{5}}{74}$ $\frac{11^{3}}{37}$ $\frac{18^{4}}{24}$ $\frac{22^{7}}{36}$ 24^{3} $\frac{22^{4}}{6^{8}}$ $\frac{18^{4}}{20}$ $\frac{11^{0}}{53}$

Sept. 1908

Final $\frac{2^{1}}{193}$ $\frac{1^{4}}{192}$ W.S. $\frac{+0^{4}}{190}$ $\frac{-2^{6}}{180}$ $\frac{-2^{0}}{170}$ $\frac{-3^{6}}{160}$ $\frac{-5^{1}}{150}$ $\frac{-7^{4}}{140}$

Borrowpit

1450

FINAL BORROWPIT.

October 1908

STA.	Lt	C.	Rt
T1155 Final	-11.5/120.0 -12.0/110.0 -11.2/100.0 -8.6/90.0 -7.4/80.0 W.S. 2.0/66.0 4.6/51.0 5.1/47.8 18.4/23.0 20.7/10.0	21.7	23.1/10.0 22.2/20.0 21.1/23.0 16.8/30.0 9.8/50.0
Borrowpit	W.S. 2.0/222.0 -4.8/211.0 -6.6/192.0 -8.8/180.0 -8.7/170.0 -11.8/160.0 -8.8/150.0 -10.0/140.0 -11.2/130.0		5.8/100.0 60 ←
1154 Final	-11.2/120.0 -11.8/110.0 -10.4/100.0 -10.9/90.0 -6.6/82.0 2.0/73.0 W.S. 3.8/71.0 4.7/50.0 6.5/40.0 10.6/30.0 17.5/20.0 21.8/10.0	22.8	24.2/10.0 23.4/20.0 12.7/50.0 7.8/70.0 7.0/90.0
Borrowpit	W.S. 2.0/200 -8.5/190.0 -12.9/180.0 -5.0/170.0 [illegible]/160.0 -8.6/150.0 -10.4/140.0 -9.9/130.0		
1153 Final	-10.8/110.0 -10.9/100.0 -8.6/90.0 -6.2/80.0 2.1/74.0 W.S. 2.2/73.0 6.7/40.0 12.6/28.5 19.1/20.0 22.0/10.0	23.6	24.0/10.0 22.7/20.0 7.6/60.0 4.8/90.0
Borrowpit.	2.4/206.0 2.1/205.0 W.S. -3.3/200.0 -5.5/190.0 -8.3/180.0 -7.2/170.0 -8.0/160.0 -7.5/150.0 -7.6/140.0 -10.9/130.0 -11.0/120.0		
1152 Final	-9.8/120.0 -11.8/110.0 -11.7/100.0 -10.8/90.0 -5.0/80.0 2.1/79.0 W.S. 3.0/71.5 6.1/40.0 13.1/28.0 18.9/20.0 22.2/10.0	23.8	24.6/10.0 23.0/20.0 19.3/30.0 16.4/40.0 12.7/50.0
Borrowpit.	2.3/207.5 2.1/207.0 W.S. -5.6/200.0 -9.5/190.0 -11.2/180.0 -9.2/170.0 -8.7/160.0 -8.6/150.0 -10.8/140.0 -9.5/130.0		6.7/70.0 4.5/100.0
1151 Final	-10.4/120.0 -10.4/110.0 -11.5/100.0 -10.6/90.0 -6.5/80.0 2.2/72.0 W.S. 3.3/71.0 7.8/40.0 14.1/30.0 19.3/20.0 23.6/10.0	25.6	26.1/10.0 21.6/20.0 16.8/30.0 12.8/40.0 8.7/60.0 6.4/90.0
Borrowpit	-0.3/220.0 -3.8/210.0 -6.0/200.0 -9.8/190.0 -9.9/180.0 -7.1/170.0 -7.1/160.0 -11.0/150.0 -10.5/140.0 -11.0/130.0		4.9/100.0

See Final Cross Section Book No 7, page 55.

1451

October 1908

Sta	Pt	C	Lt
T 1150	-11.2/110.° -9.8/90.° -6.5/80° 2.2 W.S./64.0 3.4/60.° 5.1/50.° 8.7/40.° 12.6/30.° 18.1/20.° 23.3/10.°	25.8 25.4/10.°	23.7/20.° 17.0/40.° 12.6/50.° 8.2/80.° 6.9/90.°
	-0.7/220.° -10.8/190.° -10.1/180.° -10.0/170.° -12.1/160.° -11.2/150.° -11.2/140.° -1.8/130.° -12.2/120.° -12.2/110.°		6.1/110.°
1149	-12.7/110° -10.5/100.° -10.1/90.0 -6.6/80° 2.3 W.S./73.° 3.6/71.5 6.1/50.° 8.1/40.° 13.1/30.° 18.2/20.° 22.4/10.°	25.3 25.9/10.0	22.2/20.0 18.6/30.° 15.1/40.0 10.5/50.° 8.9/60.°
	+1.7/220.° -5.7/210.° -8.6/300.° -10.7/190.° -8.5/180.° -9.0/170.° -11.4/160.° -10.8/150.° -13.3/140.° -12.7/130.° -10.5/120.0		7.0/70.° 6.5/80.° 5.4/90.°
1148	-8.3/90.° -4.7/80.° 2.3/75.5 4.2 W.S./75.° 5.1/60.° 6.1/50.° 8.2/40.° 12.1/30.° 17.5/20.° 22.1/10.°	25.6 25.8/10.°	23.6/20.° 18.5/30.° 14.5/41.° 10.9/50.° 9.9/60.°
	2.7/217° 2.3 W.S./206.° -4.9/200.° -2.6/190.° -5.0/180.° -5.7/170.° -6.3/160.° -5.8/150.° -10.6/140.° -9.5/130.° -10.1/120.° -10.5/110.° -9.0/100.°		5.9/70.° 4.8/80.° 4.3/90.° 2.6/100.° 3.2/110.°
1147	-9.3/110° -10.3/90.° -7.9/80.° 2.4 W.S./71.° 4.2/69.9 4.6/60.° 5.6/50.° 7.7/40.° 11.0/30.° 17.0/20.° 21.0/10.°	25.7 25.6/11.°	23.4/20.0 21.5/23.0 18.0/30.0 13.1/41.° 11.0/50.°
	8.2/216.° 2.4 W.S./215.° -1.7/200.° -6.5/190.° -8.2/180.° -8.2/170.° -2.9/160.° -6.6/150.° -9.0/140.° -9.1/130.° -9.6/120.° -11.0/110.°		8.1/60.° 6.2/70.° 5.7/80.° 4.5/90.° 3.8/100.° 3.3/110.°
1146	-12.8/110.° -13.8/100.° -13.7/90.° -8.9/80.° +1.0/70.° 2.2 W.S./64.0 [illegible]/63.0 6.0/41.° 11.7/30.° 16.7/20.° 20.4/10.0	24.6 24.5/10.°	23.4/20.° 18.8/30.° 11.8/40.° 8.6/50.0 4.8/60.° 3.0/110.°
	-0.7/220° -4.2/210.° -7.2/200° -10.6/190.° -10.6/180.° -8.3/170.° -6.7/160.° -10.6/150.° -10.8/140.° -13.6/130.° -12.7/120.°		

October 1908

STA	Lt	C	Rt
1st 1146	-12.8/90.0 -7.8/80.0 +1.2/70.0 2.2/62.0 WS 3.2/60.0 +6.9/50.0 9.6/40.0 15.4/30.0 16.6/25.0 21.6/10.0	25.4	24.4/10.0 20.2/20.0 15.8/30.0 13.1/40.0 10.5/50.0 9.1/60.0
	-0.7/220.0 -2.5/210.0 -7.4/200.0 -10.4/190.0 -9.6/180.0 -11.5/170.0 -8.8/160.0 -8.8/150.0 -11.2/140.0 -12.4/130.0 -12.8/120.0 -13.8/110.0 -13.6/100.0		7.2/70.0 3.8/80.0 3.3/100.0
1144	-12.0/110.0 -10.9/100.0 -9.7/90.0 -8.2/80.0 -0.3/70.0 2.3/62.0 WS 3.6/60.0 4.4/50.0 [illegible]/40.0 11.8/35.0 17.0/20.0 21.5/10.0	25.2	26.2/10.0 22.2/10.0 16.6/30.0 12.3/30.0 9.9/40.0 7.2/50.0
	-0.4/220.0 -3.3/210.0 -7.7/200.0 -8.7/190.0 -11.8/180.0 -8.6/170.0 -5.5/160.0 -9.0/150.0 -11.1/140.0 -9.6/130.0 -11.4/120.0		6.1/60 5.1/70.0 8.6/120.0
1143	-13.5/90.0 -9.6/80.0 2.3/72.0 WS 3.1/70.0 4.1/60.0 5.2/50.0 7.2/40.0 12.2/30.0 19.1/20.0 23.3/10.0 25.8/5.0	26.7	26.0/7.0 24.7/10.0 20.5/30.0 15.9/30.0 13.0/40.0 8.9/50.0
	2.5/214.0 WS 2.3/212.0 -1.7/210.0 -2.4/200.0 -11.3/180.0 -9.5/170.0 -6.2/160.0 -7.7/150.0 -12.7/140.0 -12.3/130.0 -11.1/120.0 -12.5/110.0 -12.6/100.0		7.2/60.0 4.3/100.0 4.0/160.0
1142	-13.6/110.0 -12.2/100.0 -9.8/91.0 -7.2/80.0 2.4/71.0 WS 3.5/70.0 5.1/50.0 9.2/41.0 15.2/30.0 18.1/21.0 24.7/10.0	26.5	26.2/10.0 22.3/20.0 17.5/30.0 12.6/40.0 9.2/50.0 5.9/60.0
	2.5/218.0 2.4/217.5 WS -4.5/210.0 -11.0/200.0 -7.4/190.0 -7.7/180.0 -6.3/170.0 -5.3/160.0 -8.2/150.0 -14.1/140.0 -15.0/130.0 -12.6/120.0		4.5/71.0 3.4/80.0 3.1/100.0
1141	-13.6/100.0 -11.9/90.0 -6.2/80.0 2.4/72.0 WS 3.4/71.5 3.6/60.0 4.7/50.0 8.1/40 17.9/30.0 17.2/20.0 21.9/10.0	22.7	23.5/10.0 19.4/20.0 15.2/30.0 12.2/40.0 8.6/50.0 5.3/60.0 4.7/70.0
	2.7/215.0 2.4/214.0 WS -0.9/210.0 -3.4/200.0 -3.2/180.0 -3.6/170.0 -3.2/160.0 -10.2/150.0 -13.6/140.0 -13.6/130.0 -15.0/120.0 -14.6/110.0		4.4/80.0 4.1/90.0

1453

October 1908

S. Sta. — Lt. — C — Rt

T. 1. T 1140
$\frac{-10.3}{90.0}$ $\frac{-8.5}{80.0}$ $\frac{2.5}{69.5}$ W.S. $\frac{4.8}{69.0}$ $\frac{6.5}{60.0}$ $\frac{8.1}{50.0}$ $\frac{10.5}{40.0}$ $\frac{15.5}{30.0}$ $\frac{21.9}{20.0}$ $\frac{20.4}{10.0}$ 22.8 $\frac{23.4}{10.0}$ $\frac{21.2}{20.0}$ $\frac{16.4}{30.0}$ $\frac{12.5}{40.0}$ $\frac{6.0}{100.0}$

$\frac{3.0}{179.3}$ $\frac{2.9}{178.0}$ W.S. $\frac{-1.6}{170.0}$ $\frac{-2.5}{160.0}$ $\frac{-7.2}{150.0}$ $\frac{-11.9}{140.0}$ $\frac{-12.4}{130.0}$ $\frac{-13.3}{120.0}$ $\frac{-11.4}{110.0}$ $\frac{-11.5}{100.0}$

1. 1139
$\frac{-9.6}{80.0}$ $\frac{-4.7}{70.0}$ $\frac{2.6}{65.0}$ W.S. $\frac{5.1}{63.5}$ $\frac{6.3}{60.0}$ $\frac{7.3}{50.0}$ $\frac{8.4}{40.0}$ $\frac{14.5}{30.0}$ $\frac{20.0}{20.0}$ $\frac{22.0}{10.0}$ 24.9 $\frac{24.3}{10.0}$ $\frac{18.9}{20.0}$ $\frac{11.6}{30.0}$ $\frac{14.2}{40.0}$ $\frac{10.6}{50.0}$ $\frac{9.2}{90.0}$

$\frac{3.8}{146.0}$ $\frac{2.5}{145.0}$ W.S. $\frac{-4.7}{140.0}$ $\frac{-10.3}{130.0}$ $\frac{-11.0}{120.0}$ $\frac{-7.5}{110.0}$ $\frac{-9.4}{100.0}$ $\frac{-10.1}{90.0}$

1. 1138
$\frac{-3.7}{71.0}$ $\frac{2.6}{66.0}$ W.S. $\frac{6.8}{64.6}$ $\frac{7.4}{60.0}$ $\frac{8.0}{50.0}$ $\frac{9.2}{33.0}$ $\frac{13.0}{30.0}$ $\frac{19.8}{20.0}$ $\frac{23.8}{10.0}$ 25.9 $\frac{27.3}{10.0}$ $\frac{26.1}{20.0}$ $\frac{23.7}{30.0}$ $\frac{19.3}{40.0}$ $\frac{16.0}{50.0}$ $\frac{13.8}{60.0}$

$\frac{7.6}{161.0}$ $\frac{2.6}{160.0}$ W.S. $\frac{-6.1}{140.0}$ $\frac{-9.2}{130.0}$ $\frac{-9.0}{120.0}$ $\frac{-8.6}{110.0}$ $\frac{-8.9}{100.0}$ $\frac{-8.2}{90.0}$ $\frac{-7.5}{80.0}$ $\frac{13.1}{71.0}$ $\frac{11.3}{80.0}$

1. 1137
$\frac{-2.1}{90.0}$ $\frac{-8.9}{80.0}$ $\frac{-3.6}{70.0}$ $\frac{2.6}{58.0}$ W.S. $\frac{8.1}{56.0}$ $\frac{8.9}{50.0}$ $\frac{10.6}{40.0}$ $\frac{12.6}{30.0}$ $\frac{16.0}{20.0}$ $\frac{21.6}{10.0}$ 25.6 $\frac{27.6}{10.0}$ $\frac{25.4}{20.0}$ $\frac{20.5}{30.0}$ $\frac{16.9}{40.0}$ $\frac{14.2}{50.0}$ $\frac{11.1}{70.0}$

$\frac{9.6}{161.0}$ $\frac{2.6}{158.0}$ W.S. $\frac{-1.7}{150.0}$ $\frac{-5.4}{140.0}$ $\frac{-9.0}{130.0}$ $\frac{-8.9}{120.0}$ $\frac{-9.2}{110.0}$ $\frac{-9.4}{100.0}$ $\frac{9.4}{91.0}$

1. 1136
$\frac{-7.1}{90.0}$ $\frac{-6.1}{80.0}$ $\frac{-3.0}{70.0}$ $\frac{+0.9}{60.0}$ $\frac{2.6}{58.0}$ W.S. $\frac{6.3}{50.0}$ $\frac{7.8}{40.0}$ $\frac{10.8}{38.0}$ $\frac{10.8}{20.0}$ $\frac{17.3}{10.0}$ 21.6 $\frac{25.6}{10.0}$ $\frac{25.1}{13.0}$ $\frac{23.6}{20.0}$ $\frac{21.6}{31.0}$ $\frac{11.6}{40.0}$ $\frac{14.6}{50.0}$

$\frac{7.3}{159.5}$ $\frac{2.6}{152.0}$ W.S. $\frac{0.0}{150.0}$ $\frac{-6.1}{141.0}$ $\frac{-7.7}{130.0}$ $\frac{-7.8}{120.0}$ $\frac{-7.9}{110.0}$ $\frac{-5.9}{100.0}$ $\frac{12.1}{60.0}$ $\frac{11.8}{71.0}$ $\frac{11.9}{80.0}$ $\frac{11.0}{90.0}$

1454

October and November 1908.

Sta	Lt.	C	Rt.
T 1135	-10.9/100.0° -11.0/90.0° -7.2/80.0° +0.7/71.0° 2.6 W.S./66.0°		
	6.5/188.0° 2.6 W.S./187.0° +1.4/180.0° +0.8/170.0° -4.4/160.0° -6.0/150.0° -9.4/140.0° -9.7/130.0°	-9.8/120.0° -10.0/110.0°	
1134	-15.4/110.0° -12.4/100.0° -10.7/90.0° -7.6/80.0° 2.6 W.S./71.0°		
	4.9/214.0° 2.6 W.S./213.0° -1.0/190.0° -2.4/180.0° -4.1/170.0° -6.9/160.0° -8.4/150.0° -10.2/140.0°	-12.9/130.0° -12.4/120.0°	
1133	-14.0/110.0° -13.4/100.0° -9.6/90.0° -1.3/80.0° 2.6 W.S./73.0°		
	3.4/195.0° 2.6 W.S./194.0° -3.8/180.0° -2.6/170.0° -3.9/160.0° -9.2/150.0° -12.0/140.0°	-13.0/130.0° -13.9/120.0°	
1132	-13.4/110.0° -12.7/100.0° -9.5/90.0° -3.1/80.0° 2.6 W.S./70.0°		
	2.9/186.0° 2.6 W.S./185.0° +0.9/180.0° -1.7/170.0° -11.0/160.0° -12.9/150.0° -14.0/140.0°	-14.0/130.0° -13.0/120.0°	
1131	-13.5/110.0° -8.9/100.0° -6.3/90.0° 0.0/80.0° 2.5 W.S./65.0°		
	2.7/191.0° 2.5 W.S./190.0° -0.0/190 -2.3/180.0° -4.6/170.0° -9.0/160.0° -16.6/151.0° -16.9/140.0°	-16.0/131.0° -14.5/120.0°	

Shot ground

Fill too soft to cross-section

See page 17 to 16

November 1908

Sta	Lt.	C	Rt.
T1130	-13.6/110.0 -12.2/100.0 -8.1/90.0 -3.6/80.0 2.4 W.S./71.0		
	4.0/179.0 2.4 W.S./178.0 -0.4/176.0 -3.9/172.0 -3.7/170.0 -4.1/160.0 -13.2/150.0 -13.1/141.0 -16.6/130.0 -15.6/120.0		
1129	-12.1/110.0 -9.1/100.0 -7.1/90.0 -5.3/80.0 2.3 W.S./71.0		
	4.9/180.0 2.3 W.S./179.0 -2.3/170.0 -6.4/160.0 -10.0/150.0 -10.8/140.0 -13.6/130.0 -12.5/120.0		
1128	11.0/100.0 -9.4/90.0 -7.8/80.0 -3.7/70.0 2.3 W.S./57.0 6.3/53.0 3.8/40.0 12.3/30.0 17.8/20.0 23.1/10.0	26.2	26.7/10.0 24.3/20.0 15.6/30.0 10.9/40.0 7.7/50.0 3.5/80.0
	5.1/165.0 2.3/162.0 -11.3/160.0 -9.9/150.0 -10.3/140.0 -11.8/135.0 -10.6/120.0 -9.8/110.0		
1127	-10.2/100.0 -9.7/90.0 -7.5/80.0 -2.8/70.0 2.2 W.S./58.0 7.6/55.0 3.3/40.0 13.5/30. 19.4/20.0 23.8/10.0	25.5	26.1/10.0 25.2/20.0 17.1/30.0 13.8/40.0 11.8/50.0 9.2/60.0 6.8/69.0
	3.6/151.0 2.2 W.S./150.0 -6.6/140.0 -9.6/130.0 -9.8/120.0 10.2/110.0		
1126	-10.0/100.0 -8.2/90.0 -6.1/80.0 -0.9/70.0 2.1 W.S./61.0 5.4/56.0 6.1/50.0 7.3/40.0 11.7/30.0 16.9/20.0 20.4/10.0	21.4	21.7/10.0 18.1/20.0 13.6/30.0 9.2/40.0 8.2/50.0 7.5/60.0 2.0/73.0
	2.8/160.5 2.1 W.S./160.0 -6.6/150.0 -9.9/140.0 -10.9/130.0 -11.1/120.0 -10.7/110.0		

Fill too soft to Cross Section ↓

1456

November 1909.

Sty | Lt | C | Rt.

T 1125 -8.0/100° -5.6/90° -1.9/80° 2.1/71.0 WS 3.2/70.0 3.7/60.0 5.0/50.0 [illegible] 12.2/30.0 17.1/20.0 18.9/10.0 19.1 17.7/10.0 14.1/20.0 11.3/30.0 8.5/41.0 7.5/50.0 6.8/60.0 6.5/70°

2.8/166° 2.1/165 WS +1.4/160° -8.0/150° -11.5/140.0 -11.8/130.0 -11.5/120.0 -7.7/110°

1124 -9.2/100° -7.7/90.0 -4.8/80° 2.3/67.0 WS 6.1/63° 8.4/57° 11.5/40.0 16.3/30° 18.3/20.0 23.5/10.0 23.3 25.0/10.0 21.4/20.0 13.3/30.0 6.6/40.0 5.7/50.0 4.3/80.0

6.0/181° 2.0/177° WS +0.8/170.0 -3.7/160.0 -6.0/150.0 -7.2/140.0 -7.6/130.0 -10.7/120.0 -10.0/110.0

1123 -9.0/100° -8.4/90.0 -5.5/80.0 -0.7/70° 2.0/61.0 WS 7.8/60.0 11.3/41.0 15.6/30.0 20.8/20.0 23.8/11.0 23.7 23.1/10.0 18.3/20.0 14.9/30.0 11.3/40.0 7.9/50.0 6.9/60.0 3.9/100.0

4.6/168.0 2.0/164.0 WS +0.9/160.0 -4.4/150.0 -8.2/140.0 -8.7/130.0 -9.0/120.0 -9.1/110.0

1122 -8.5/100° -8.3/90° -6.2/80.0 0.6/67.0 WS 7.6/54.0 8.8/50.0 6.8/40.0 15.6/30.0 21.8/20.0 26.1/10.0 28.3 30.1/10.0 29.8/20.0 23.0/30.0 16.7/40.0 10.0/77.0 3.6/100.0

7.4/165.0 2.0/164.0 0.8 WS/159.0 -2.2/150.0 -7.6/140.0 -8.8/130.0 -8.6/120.0 -8.5/110.0

1121 -7.6/100.0 -6.2/90.0 -6.9/80.0 0.6/63.0 WS 10.9/47.0 11.6/40.0 14.1/30.0 20.4/20.0 26.8/10.0 29.7 30.8/10.0 28.9/20.0 25.8/30.0 16.9/40.0 12.1/50.0 7.8/60.0 4.2/123.0

6.8/157.0 2.0/156.0 0.8 WS/147.0 -6.5/140.0 -7.3/130.0 -7.6/120 -8.0/110.0

T 1117

T 1118

T 1119

1120

1458

T1121

1122

1123

1124

1459

~~December~~ 1908

Left C Right

T 1125 W.S. $\frac{1.0}{72.0}$ $\frac{2.3}{71.0}$ $\frac{4.0}{60.0}$ $\frac{4.9}{50.0}$ $\frac{7.6}{40.0}$ $\frac{12.1}{30.0}$ $\frac{17.2}{20.0}$ $\frac{21.6}{10.0}$ 21.3 $\frac{20.7}{10.0}$ $\frac{14.2}{20.0}$ $\frac{10.7}{30.0}$ $\frac{8.3}{40.0}$ $\frac{5.3}{71.0}$

1126

Same as for November 1908

1127

1128 $\frac{6.6}{54.0}$ $\frac{7.0}{50.0}$ $\frac{8.6}{36.0}$ $\frac{13.5}{30.0}$ $\frac{18.9}{20.0}$ $\frac{26.6}{10.0}$ 28.5 $\frac{28.3}{10.0}$ $\frac{22.1}{20.0}$ $\frac{16.1}{30.0}$ $\frac{11.8}{40.0}$ $\frac{7.2}{50.0}$ $\frac{1.1}{80.0}$

1460

December 1908

T 1127 $\frac{1.0^{W.S.}}{67.5}$ $\frac{3.7}{67.0}$ $\frac{4.6}{60.0}$ $\frac{5.5}{50.0}$ $\frac{6.0}{45.0}$ $\frac{9.0}{40.0}$ $\frac{12}{30.0}$ $\frac{1[illegible]}{20}$ $\frac{23.9}{10.0}$ $\frac{27.3}{7.0}$ 27.8 $\frac{28.2}{10.0}$ $\frac{28.0}{15.0}$ $\frac{20.6}{20.0}$ $\frac{15.6}{30.0}$ $\frac{8.6}{40.0}$ $\frac{2.7^{W.S.}}{70.0}$

1180 $\frac{1.5^{W.S.}}{75.0}$ $\frac{2.7}{75.0}$ $\frac{4.5}{65.0}$ $\frac{7.3}{60.0}$ $\frac{8}{40.0}$ $\frac{[illegible]}{30}$ $\frac{18.6}{20.0}$ $\frac{22.4}{10.0}$ 23.3 $\frac{17.8}{10.0}$ $\frac{12.7}{20.0}$ $\frac{10.7}{30.0}$ $\frac{7.9}{40.0}$ $\frac{6.2}{50.0}$ $\frac{3.7^{W.S.}}{88.0}$

1181 $\frac{2.3^{W.S.}}{22.0}$ $\frac{[illegible]}{20}$ $\frac{6.1}{10.0}$ $\frac{11.4}{30.0}$ $\frac{12.0}{20.0}$ $\frac{15.5}{10.0}$ 16.4 $\frac{15.1}{10.0}$ $\frac{11.9}{20.0}$ $\frac{8.5}{30.0}$ $\frac{5.9}{40.0}$ $\frac{4.4}{50.0}$ $\frac{3.8}{60.0}$ $\frac{2.7^{W.S.}}{75.0}$

1182 $\frac{2.9^{W.S.}}{75.0}$ $\frac{3.0}{70.0}$ $\frac{5.4}{60.0}$ $\frac{6.9}{50.0}$ $\frac{9.5}{40.0}$ $\frac{10}{30.0}$ $\frac{11.8}{20.0}$ $\frac{14.4}{10.0}$ 15.2 $\frac{14.3}{10.0}$ $\frac{11.4}{20.0}$ $\frac{10.6}{30.0}$ $\frac{8.9}{40.0}$ $\frac{8.0}{50.0}$ $\frac{6.1}{60.0}$ $\frac{2.1^{W.S.}}{105.0}$

1461

Cross Sections Showing Effect of High Water on Grade, Flood of Jan. 1909

Lt   C   Rt   February 3, 1909

T1120 $\frac{5.9}{50.0}$ W.S. $\frac{10.1}{50.0}$ $\frac{11.2}{40.0}$ $\frac{11.5}{37.0}$ $\frac{13.8}{36.0}$ $\frac{14.8}{30.0}$ $\frac{21.5}{22.0}$ $\frac{26.7}{10.0}$ | 26.7 | $\frac{28.0}{10.0}$ $\frac{38.7}{20.0}$ $\frac{22.9}{30.0}$ $\frac{19.0}{35.0}$ $\frac{16.5}{40.0}$ $\frac{14.1}{48.0}$

$-\frac{0.5}{70.0}$ $\frac{1.7}{65.0}$ $\frac{3.3}{60.0}$ $\frac{12.6}{49.0}$ $\frac{10.8}{60.0}$ $\frac{10.0}{70.0}$ $\frac{9.0}{80.0}$ $\frac{8.4}{90.0}$ $\frac{7.6}{100.0}$

1122 $\frac{7.8}{50.0}$ $\frac{9.2}{48.0}$ $\frac{9.7}{46.0}$ $\frac{11.0}{40.0}$ $\frac{12.0}{37.0}$ $\frac{12.9}{30.0}$ $\frac{15.8}{28.6}$ $\frac{21.6}{21.0}$ $\frac{25.5}{10.0}$ | 27.3 | $\frac{29.4}{10.0}$ $\frac{29.9}{20.0}$ $\frac{25.7}{35.0}$ $\frac{22.6}{-30.0}$ $\frac{20.5}{32.6}$

$-\frac{3.9}{75.0}$ $-\frac{1.6}{70.0}$ $\frac{0.8}{65.0}$ $\frac{3.2}{60.0}$ $\frac{5.2}{62.0}$ W.S. $\frac{17.5}{35.0}$ $\frac{13.0}{40.0}$ $\frac{10.0}{50.0}$ $\frac{5.2}{59.0}$ W.S.

1124 $\frac{8.4}{50.0}$ $\frac{10.2}{48.0}$ $\frac{11.0}{40.0}$ $\frac{11.3}{36.0}$ $\frac{16.5}{32.0}$ $\frac{16.1}{30.0}$ $\frac{18.0}{20.0}$ $\frac{32.7}{10.0}$ | 32.6 | $\frac{24.4}{10.0}$ $\frac{20.5}{20.0}$ $\frac{15.8}{35.0}$ $\frac{11.7}{37.0}$ $\frac{10.3}{50.0}$ $\frac{5.2}{49.0}$ W.S.

$-\frac{3.7}{74.0}$ $+\frac{0.6}{72.0}$ $\frac{3.5}{65.0}$ $\frac{4.6}{60.0}$ $\frac{5.2}{63.5}$ W.S.

1140 $\frac{3.8}{70.0}$ $\frac{5.2}{65.5}$ W.S. $\frac{6.6}{60.0}$ $\frac{8.4}{50.0}$ $\frac{10.4}{41.0}$ $\frac{11.4}{37.0}$ $\frac{14.9}{30.0}$ $\frac{20.0}{20.0}$ $\frac{21.9}{10.0}$ | 22.3 | $\frac{22.9}{10.0}$ $\frac{19.9}{25.0}$ $\frac{15.8}{30.0}$ $\frac{12.1}{40.0}$ $\frac{10.1}{50.0}$ $\frac{8.3}{60.0}$ $\frac{5.2}{[illegible]}$

$-\frac{9.3}{[illegible]}$ $-\frac{6.0}{[illegible]}$

1462

April 23. 1910

	Lt		C		Rt
T 1129		$\frac{-0.0}{10.0}$	+3.7	$+\frac{4.4}{10.0}$	
T 1130	$\frac{-20.0}{50.0}$	$\frac{-14}{10.0}$	-07	$\frac{-6.5}{10.0}$	$\frac{-16.8}{43.6}$
1131	$\frac{-14.8}{39.6}$	$\frac{-8.5}{10.0}$	-7.4	$\frac{-7.7}{10.0}$	$\frac{-18.5}{47.0}$
1132	$\frac{-14.2}{38.4}$	$\frac{-9.5}{10.0}$	-8.8	$\frac{-9.7}{10.0}$	$\frac{-14.6}{39.2}$
1133	$\frac{-11.9}{33.8}$	$\frac{-6.8}{10.0}$	-8.6	$\frac{-5.7}{10.0}$	$\frac{-16.0}{42.0}$
1134	$\frac{-8.0}{26.0}$	$\frac{-29}{10.0}$	-0.0	$\frac{-2.3}{10.0}$	$\frac{-3.1}{14.2}$
1135		$\frac{+2.0}{10.0}$	+53	$+\frac{4.8}{10.0}$	

see page 14 to 16.

P.E.D.

1463

Dredger #5.

May 1909

June 5. 09

	Left	C.	Right
II 781	Same as for April 1909.		
782	-3.8/80.0 3.1/70.2 W.S. 8.0/69.0 8.1/60.0 7.9/50.0 7.9/40.0 11.4/30.0 17.1/20.0 17.9/10.0	18.8	16.9/10.0 14.4/20.0 11.8/30.0 10.2/40.0 9.0/50.0 7.1/70.0
	6.9/135.0 W.S. 3.1/132.0 0.0/130.0 -6.0/120.0 -5.3/110.0 -5.8/100.0 -5.4/90.0		
783	-5.5/80.0 3.1/75.5 W.S. 6.7/72.0 6.5/70.0 6.5/60.0 6.0/50.0 7.9/40.0 11.3/30.0 17.0/20.0 19.0/10.0	19.1	16.4/10.0 13.7/20.0 11.7/30.0 10.2/40.0 7.9/50.0 6.3/70.0
	6.0/170.2 3.1/138.0 W.S. -2.8/130.0 -5.1/120.0 -6.0/110.0 -5.5/100.0 -4.4/90.0		
784	-2.0/80.0 3.1/76.0 W.S. 6.4/72.0 6.6/70.0 6.8/60.0 7.0/50.0 6.3/40.0 11.9/30.0 16.1/20.0 17.6/10.0	19.1	16.4/10.0 14.1/20.0 11.6/30.0 9.5/40.0 7.5/50.0 6.0/60.0
	6.2/139.0 3.1/138.0 W.S. -5.5/130.0 -5.5/120.0 -3.1/110.0 -3.1/100.0 -4.1/90.0		

Copied in Cross section book of Dredger #5

Dredger #5

May 1909

Left | C | Right

D785 $\frac{-6.4}{80.0}$ $\frac{+1.1}{70.0}$ $\frac{3.1}{68.0}$ W.S. $\frac{5.8}{67.0}$ $\frac{6.0}{60.0}$ $\frac{6.2}{50.0}$ $\frac{7.3}{40.0}$ $\frac{12.0}{30.0}$ $\frac{17.8}{20.0}$ $\frac{18.4}{10.0}$ | 18.7 | $\frac{16.8}{10.0}$ $\frac{14.8}{20.0}$ $\frac{10.8}{30.0}$ $\frac{10.9}{40.0}$ $\frac{8.7}{50.}$ $\frac{6.2}{60.0}$

$\frac{6.3}{139.0}$ $\frac{3.1}{137.0}$ W.S. $\frac{-8.1}{130.0}$ $\frac{-6.1}{120.0}$ $\frac{-5.[illegible]}{110.0}$ $\frac{-6.5}{100.0}$ $\frac{-6.7}{90.0}$

786 $\frac{-6.2}{90.0}$ $\frac{-4.9}{80.0}$ $\frac{3.1}{72.0}$ W.S. $\frac{5.5}{69.5}$ $\frac{[illegible]}{60.0}$ $\frac{6.0}{50.0}$ $\frac{6.8}{40.0}$ $\frac{11.8}{30.0}$ $\frac{18.0}{20.0}$ $\frac{17.0}{10.0}$ | 18.0 | $\frac{17.1}{10.0}$ $\frac{16.1}{20.0}$ $\frac{15.4}{30.0}$ $\frac{13.1}{40.0}$ $\frac{10.8}{50.0}$ $\frac{7.4}{60.0}$ $\frac{6.1}{64.0}$

$\frac{5.7}{144.0}$ $\frac{3.1}{142.0}$ W.S. $\frac{+0.3}{140.0}$ $\frac{-5.6}{130.0}$ $\frac{-6.3}{120.0}$ $\frac{-6.9}{110.0}$ $\frac{-6.9}{100.0}$

787 $\frac{-6.4}{90.0}$ $\frac{-4.[illegible]}{80.0}$ $\frac{3.1}{75.0}$ W.S. $\frac{4.8}{74.0}$ $\frac{5.2}{70.0}$ $\frac{5.4}{60.0}$ $\frac{5.9}{50.0}$ $\frac{6.6}{40.0}$ $\frac{10.3}{30.0}$ $\frac{16.2}{20.0}$ $\frac{19.2}{10.0}$ | 17.3 | $\frac{16.4}{10.0}$ $\frac{15.0}{20.0}$ $\frac{14.2}{30.0}$ $\frac{12.6}{40.0}$ $\frac{10.5}{50.0}$ $\frac{8.5}{60.0}$ $\frac{7.5}{62.0}$

$\frac{5.5}{143.5}$ $\frac{3.1}{143.0}$ W.S. $\frac{-1.6}{140.0}$ $\frac{-6.4}{130.0}$ $\frac{-7.0}{120.0}$ $\frac{-6.8}{110.0}$ $\frac{-6.9}{100.0}$

788 $\frac{-4.1}{80.0}$ $\frac{-0.4}{75.0}$ $\frac{3.1}{69.5}$ W.S. $\frac{5.0}{68.0}$ $\frac{5.2}{60.0}$ $\frac{5.2}{50.0}$ $\frac{9.0}{40.0}$ $\frac{12.1}{30.0}$ $\frac{15.8}{20.0}$ $\frac{18.8}{10.0}$ | 18.4 | $\frac{16.3}{10.0}$ $\frac{14.8}{20.0}$ $\frac{14.3}{30.0}$ $\frac{13.5}{40.0}$ $\frac{10.6}{50.0}$ $\frac{8.0}{60.0}$ $\frac{6.1}{64.0}$

$\frac{8.1}{147.0}$ $\frac{3.1}{145.0}$ W.S. $\frac{-2.4}{140.0}$ $\frac{-7.2}{130.0}$ $\frac{-7.3}{120.0}$ $\frac{-7.4}{110.0}$ $\frac{-6.6}{100.0}$ $\frac{-6.0}{90.0}$

Copied in Cross section book of Dredger #5. p6

1465

Dredger #5.

May 1909

Left — C — Right

D 789 $\frac{-7.5}{90.0}$ $\frac{-3.8}{80.0}$ $\frac{3.1}{74.5}$ $\overset{W.S.}{\frac{4.0}{73.0}}$ $\frac{4.2}{70.0}$ $\frac{4.3}{60.0}$ $\frac{4.7}{50.0}$ $\frac{8.0}{40.0}$ $\frac{10.3}{30.0}$ $\frac{15.6}{20.0}$ $\frac{19.3}{10.0}$ | C 18.4 | $\frac{17.1}{10.0}$ $\frac{14.7}{20.0}$ $\frac{13.6}{30.0}$ $\frac{11.6}{40.0}$ $\frac{8.5}{50.0}$ $\frac{6.0}{55.0}$

$\frac{4.9}{141.0}$ $\frac{3.1}{140.0}$ $\overset{W.S.}{\frac{-5.0}{130.0}}$ $\frac{-7.7}{120.0}$ $\frac{-7.8}{110.0}$ $\frac{-8.1}{100.0}$

Numerator = Elevation

Denominator = Distance from Center line

Elevations from SACRAMENTO SOUTHERN R.R. datum

June 5, 09